

REMARKS:

In the Office Action mailed on May 26, 2004, the Examiner objected to all the claims as having some confusing language, rejected claims 1, 2, and 4-7 as being anticipated by Wu (US 6,485,338) under 35 U.S.C. section 102(e), and rejected claim 3 as being an unpatentable combination of Wu (US 6,485,338) and Fairbairn et al. (US 3,611,272) under 35 U.S.C. section 103 (a).

With this amendment claim 2 has been canceled and claims 1 and 3 - 5 have been amended. Claims 1 and 3-7 remain in this application and are at issue.

To eliminate the objections, claim 1, line 1 was amended by deleting the word "electrically", claim 5, line 2 was amended by deleting the word "one" and replaced with the words --a second--, and claim 5, line 3 has been amended by inserting after the word "portion" the words --opposite said one end--.

To eliminate the rejections of anticipation and obviousness, claim 1 has been amended to include the limitations of claim 2 along with the limitation of the vertical arm being moveable, claim 2 has been cancelled, and claims 3 and 4 have been amended to depend from claim 1 rather than canceled claim 2. The limitations added to claim 1, which apply to all of the remaining claims, require that one bearing sidewall 102 is adapted to support the moveable vertical arm 113 of the corresponding terminal.

The specification states the objective of the vertical arm 113 being "stopped at bearing sidewall 102", generally on page 3, lines 23 - 30 and on page 4 lines 3 - 12. "When the contacts of the circuit board 2 set into contact with the contact tips 114 of the terminals 11, the vertical arm 113 of each terminal 11 is maintained perpendicular to the circuit board 2." "...[T]he pressure imparted from the circuit board to each terminal 11 passes in direction parallel to the vertical arm 113, therefore the contact area between the contact tip 114 of each terminal 11 and the corresponding contact 20 of the circuit board 2 is constantly maintained in position A...without producing a sliding friction. Because the contact between the contact tip 114 of each terminal 11 and the corresponding contact 20 of the circuit board is a point contact, the circuit board 20 requires less installation space and, can be maintained in contact with the terminals 11

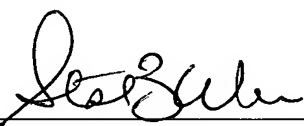
of the electric connector positively and stably.” Neither the claimed relationship between the moveable arm and the bearing sidewall or the above stated objective of this relationship preventing lateral movement are taught or suggested in any of the references cited by the Examiner.

As correctly state by the Examiner, the terminal disclosed in Wu ‘338 does have a vertical arm 52 extending from the U-shaped spring supporting portion 53. However, the vertical arm 52 is fixed to the housing holding the terminal in place rather than being moveable. Also the contacting portion 54 will not be constantly maintained in one position. As a result of the rotating movement of contact point 54 about the bent portion of the contact arm, lateral movement of the contact point 54 will occur. Therefore, the contact point of Wu ‘338 will slide requiring more contact space on the board.

Since all of the elements of the claimed invention do not appear in the cited references, then those reference cannot form the basis of a rejection under 35 U.S.C. section 102 (a) or 103. The Applicants believe that all of the objections and rejections raised by the Examiner have been overcome. Accordingly, the Examiner is respectfully requested to allow all of the claims remaining in the application to grant into a patent.

Respectfully submitted,
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Date: JUNE 11, 2004

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